

## Patent Claims

1. A method for producing hair dyes and/or intensive toners in which the intermediates (developer and coupler) and the direct dyes are dissolved in liquid or creamy carrier masses that are mixed together by a computer-controlled device based on recipes stored in the computer to a tone mixture on site, e.g., in a hairdressing salon or shop, characterized in that

- the intermediates used (developer and coupler) and the direct dyes are dissolved individually in a precursor stage in a carrier mass with only as much alkalizing agent being added as is necessary for the dissolving and stabilizing of the intermediates (developer and coupler), of the direct dyes and of the carrier mass (called base components for short),

- in a further step after the mixing together of the individual base components to a tone in a container, ammonia or appropriate substitutes are selectively added.

2. The method according to Claim 1, characterized in that the peroxide is added to the ready-to-use mixture in a further method step.

3. The method according to Claim 1 and/or 2, characterized in that 1 to 25% ammonium hydroxide or 1 to 100% ethanolamine or 1 to 100% aminomethylpropanol or 1 to 10% sodium hydroxide or 1 to 10% potassium hydroxide is used as alkalizing agent.

4. The method according to Claim 1, characterized in that the intermediates (developer and coupler) and the direct dyes are dissolved with the associated substances at 70 to 80°C in the precursor stage in order to produce a base component in an aqueous phase, that the alkalizing agent is subsequently added together with the fatty phase and emulsified, and that during the cooling-off process the treatment substances and perfume substances are mixed in at approximately 50°C.

5. The method according to Claim 4, characterized in that the base components are filled at 45 to 40°C into suitable containers, e.g., flexible bags suitable for dosing the base components in a device provided to this end.

6 A device for carrying out the method according to Claim 1 for producing tone mixtures, characterized in that the bags filled with base components are dosed in a computer-controlled manner into a container or catch dish, which base components are first combined on site, e.g. in a hairdressing salon or in a shop, that the desired alkalizing agent or agents are added in a subsequent step as required, and that the appropriate

amount of peroxide is subsequently added at this point when used in a salon, and for use at home the peroxide amount is filled separately into a container and given to the user.

7. The device according to Claim 6, characterized in that the base components are present in various concentrations stored in the storage device of the dosing device.

8. The device according to Claim 6, characterized in that the peroxides are present in various concentrations stored in the storage device of the dosing device.